Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061220\
Data File : BN010855.D
Acq On : 12 Jun 2020 23:06
Operator : CG/JU
Sample : L2988-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : RE134D2-20200608

Quant Time: Jun 13 01:34:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 12 11:11:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	2492	0.40	ng		0.00
7) Naphthalene-d8	10.30	136	8816	0.40	ng		0.00
13) Acenaphthene-d10	14.17	164	5026	0.40	ng		-0.01
19) Phenanthrene-d10	16.92	188	9894	0.40	ng		0.00
27) Chrysene-d12	21.13	240	10057	0.40	ng		0.00
34) Perylene-d12	23.28	264	10900	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.21	112	274	0.06	ng		0.00
5) Phenol-d6	6.75	99	230	0.04	ng		0.00
8) Nitrobenzene-d5	8.69	82	2239	0.34	ng		0.00
11) 2-Methylnaphthalene-d10	11.90	152	4185	0.31	ng		0.00
14) 2,4,6-Tribromophenol	15.68	330	284	0.16	ng		0.00
15) 2-Fluorobiphenyl	12.80	172	6541	0.33	ng		0.00
25) Fluoranthene-d10	18.96	212	10643	0.39	ng		0.00
29) Terphenyl-d14	19.57	244	12450	0.53	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.22	88	17879	7.325	ng		98
22) Pentachlorophenol	16.59	266	82	0.039	ng	#	75
23) Phenanthrene	16.96	178	1011	0.037	ng		96
26) Fluoranthene	18.99	202	1564	0.051	ng	#	95
28) Pyrene	19.36	202	1426	0.043	ng		99
30) Benzo(a)anthracene	21.11	228	1291	0.044	ng	#	86
31) Chrysene	21.16	228	1484	0.043	ng	#	93
32) Bis(2-ethylhexyl)phthalate	21.07	149	5094	0.517	ng	#	95
33) Indeno(1,2,3-cd)pyrene	25.39	276	1803	0.047	ng		100
35) Benzo(b)fluoranthene	22.65	252	1643	0.044	ng	#	29
36) Benzo(k)fluoranthene	22.68	252	1668	0.042	ng	#	16
37) Benzo(a)pyrene	23.18	252	1194	0.038	ng	#	1
38) Dibenzo(a,h)anthracene	25.41	278	1476	0.041	ng	#	34
39) Benzo(g,h,i)perylene	26.03	276	1663	0.044	ng	#	70

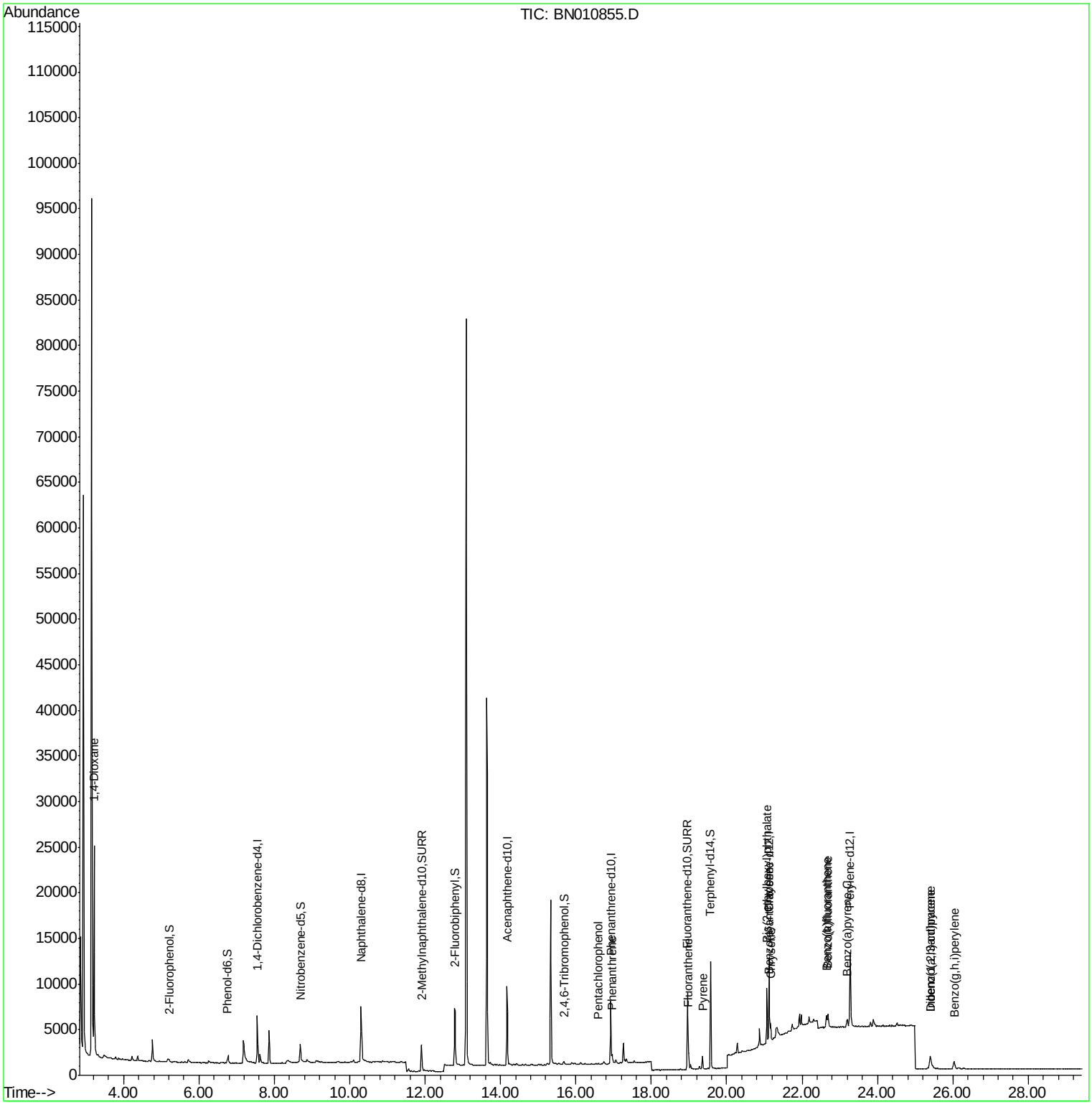
(#) = qualifier out of range (m) = manual integration (+) = signals summed

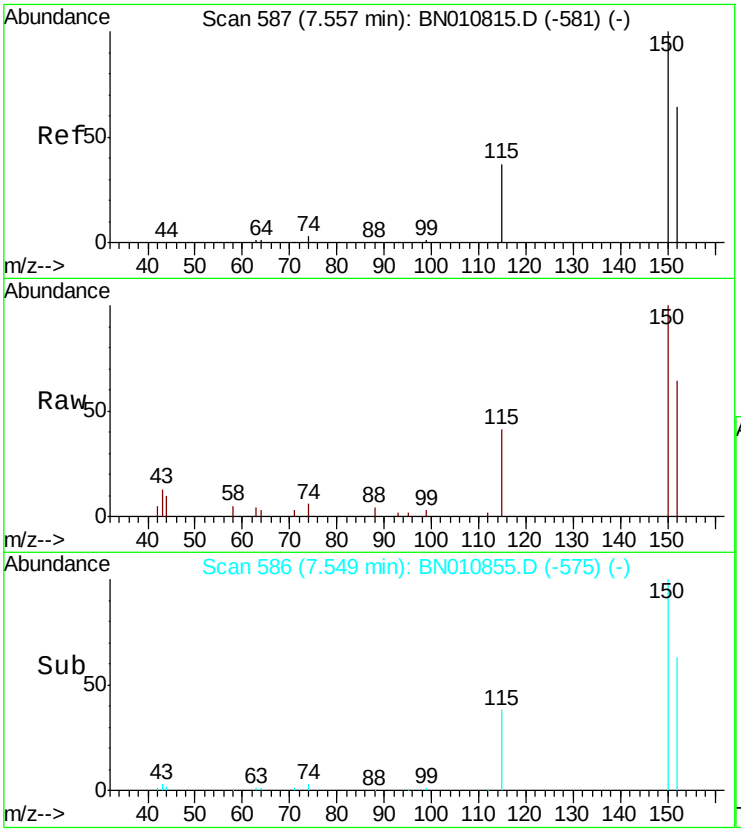
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN061220\
Data File : BN010855.D
Acq On : 12 Jun 2020 23:06
Operator : CG/JU
Sample : L2988-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Quant Time: Jun 13 01:34:40 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN061020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 12 11:11:17 2020
Response via : Initial Calibration



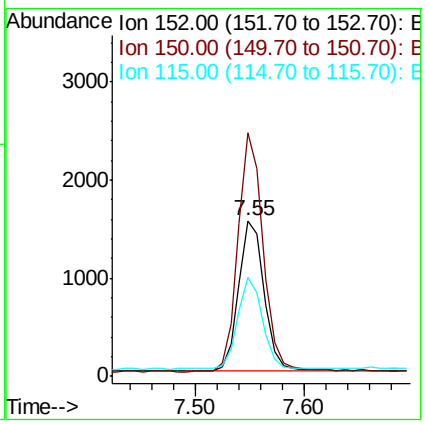


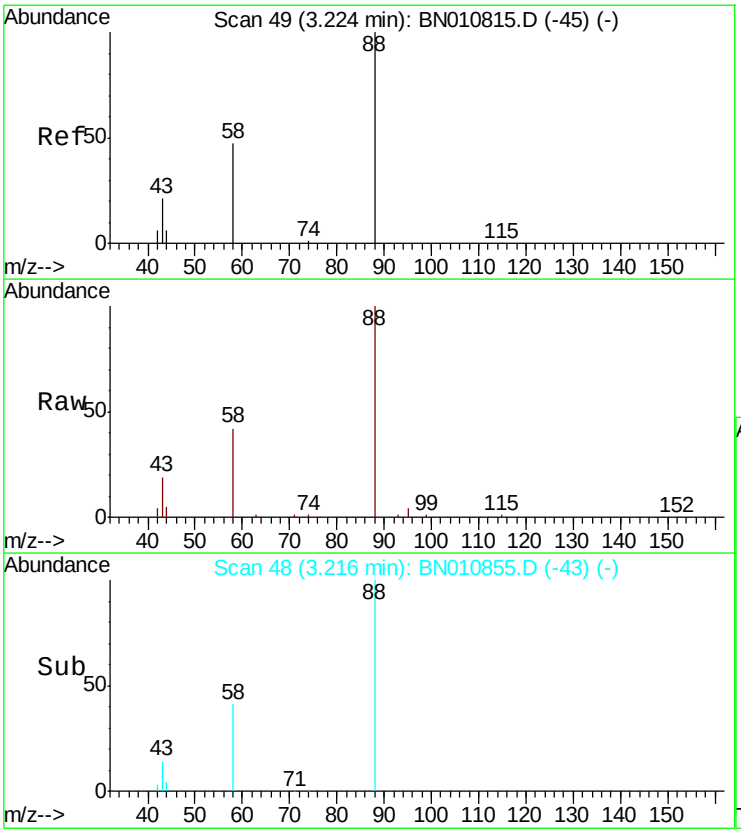
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.55 min Scan# 586
Delta R.T. -0.01 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:152 Resp: 2492

Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.8	185.6
115	63.5	49.2	73.8

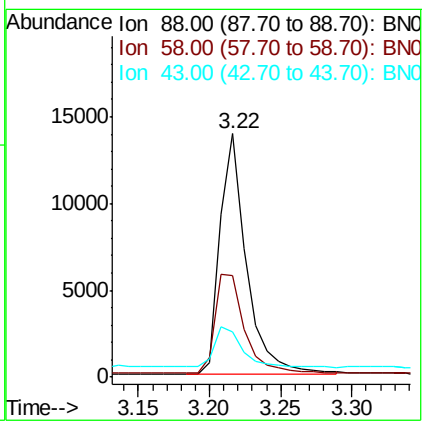


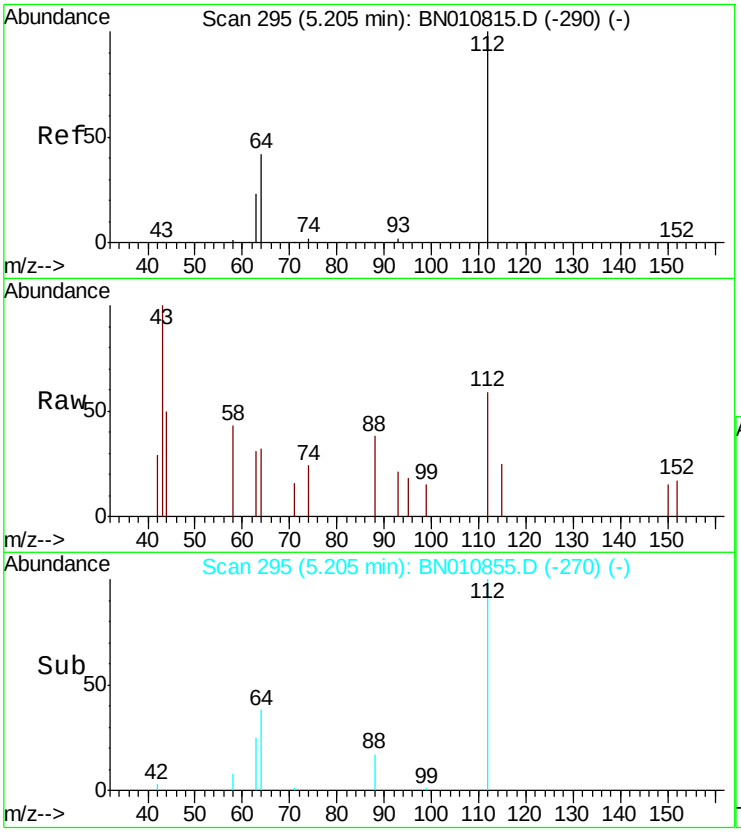


#2
1,4-Dioxane
Concen: 7.325 ng
RT: 3.22 min Scan# 48
Delta R.T. -0.01 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion: 88 Resp: 17879

Ion	Ratio	Lower	Upper
88	100		
58	46.4	38.2	57.4
43	18.0	15.1	22.7



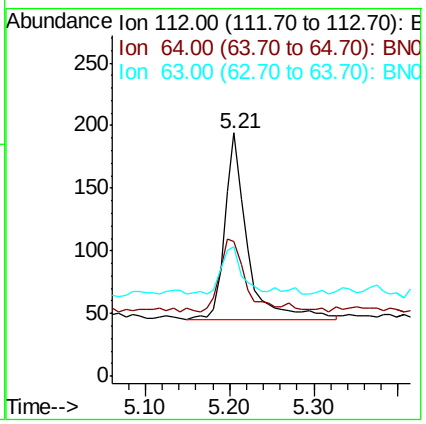


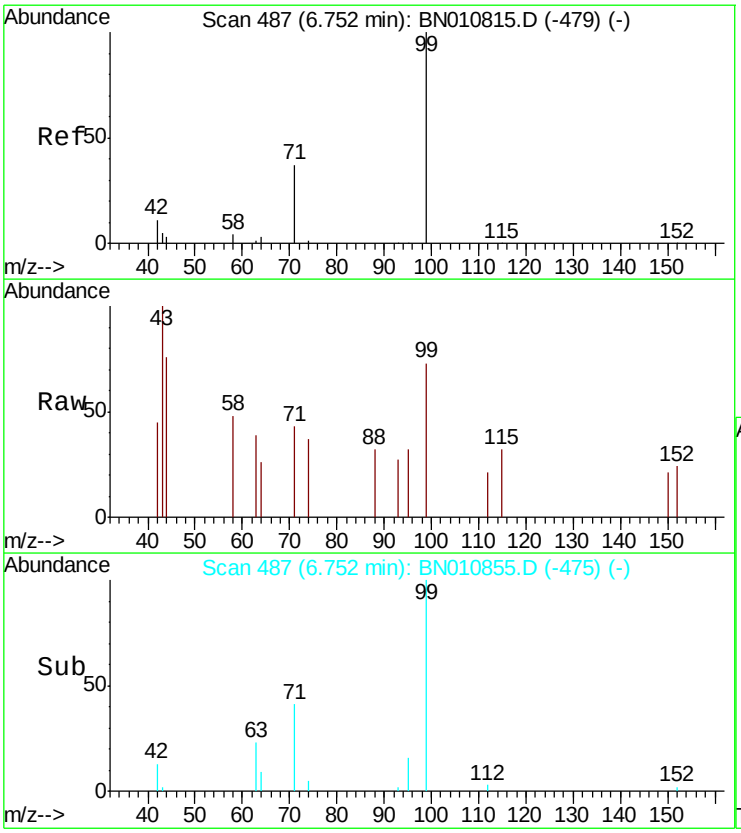
#4
2-Fluorophenol
Concen: 0.057 ng
RT: 5.21 min Scan# 295
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:112 Resp: 274

Ion	Ratio	Lower	Upper
112	100		
64	44.2	37.4	56.0
63	23.7	22.2	33.4

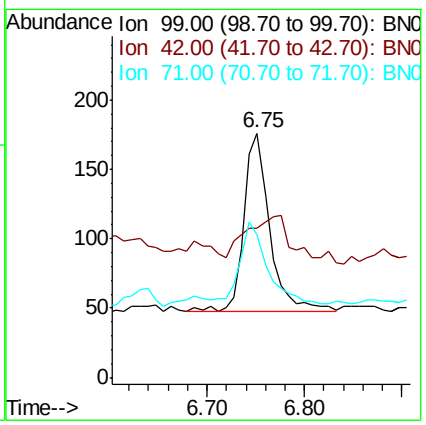


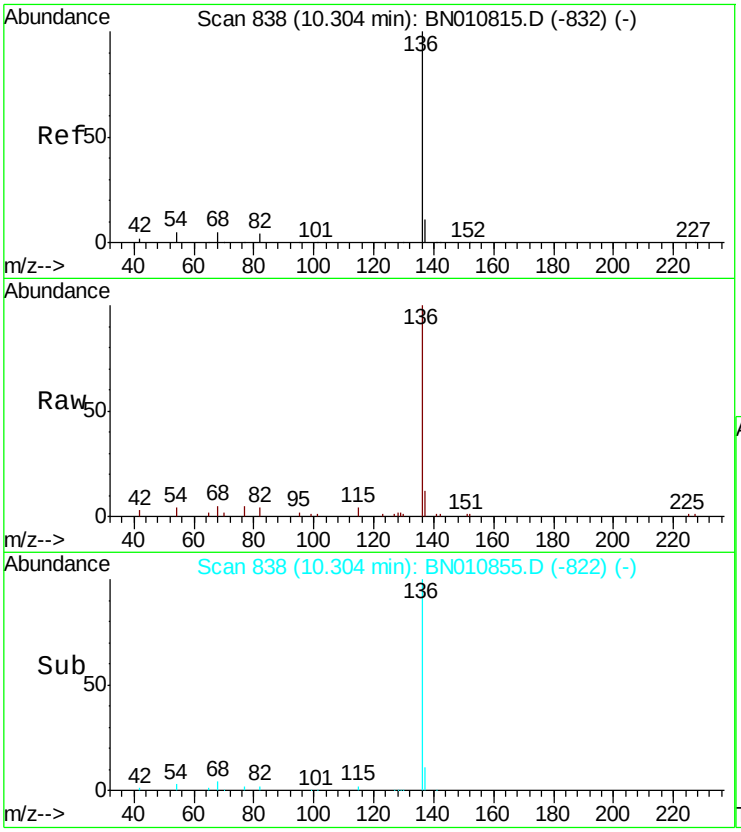


#5
Phenol-d6
Concen: 0.041 ng
RT: 6.75 min Scan# 487
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion: 99 Resp: 230

Ion	Ratio	Lower	Upper
99	100		
42	0.0	11.1	16.7#
71	50.0	31.4	47.2#



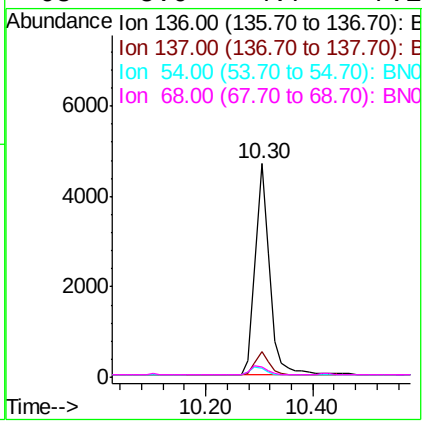


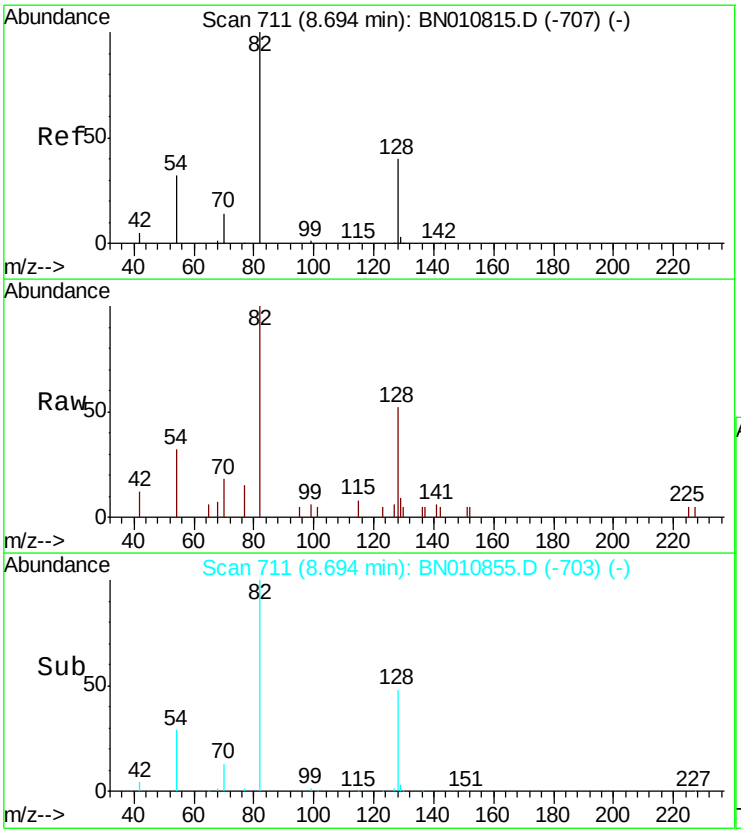
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.30 min Scan# 838
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:136 Resp: 8816

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.7	14.5
54	4.4	4.9	7.3#
68	5.0	4.7	7.1

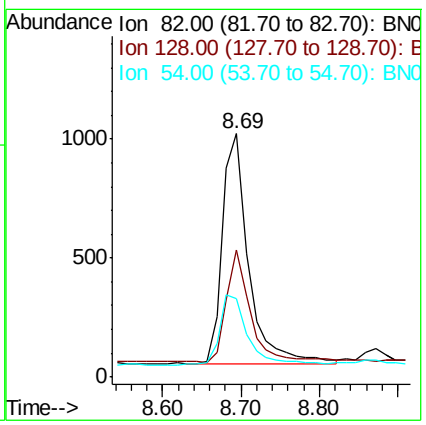


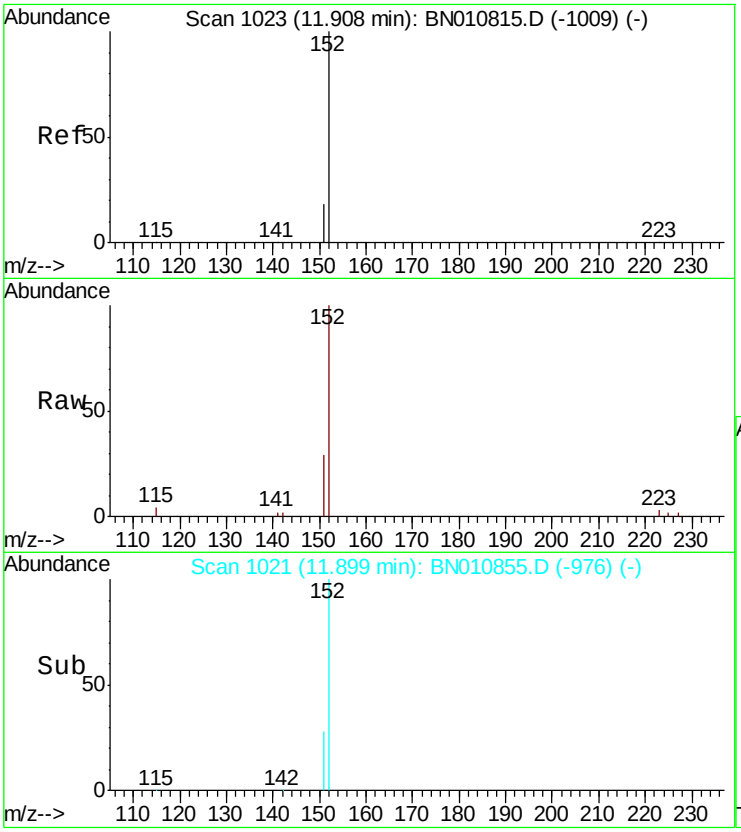


#8
Nitrobenzene-d5
Concen: 0.343 ng
RT: 8.69 min Scan# 711
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion: 82 Resp: 2239

Ion	Ratio	Lower	Upper
82	100		
128	52.1	35.4	53.0
54	32.3	28.2	42.4



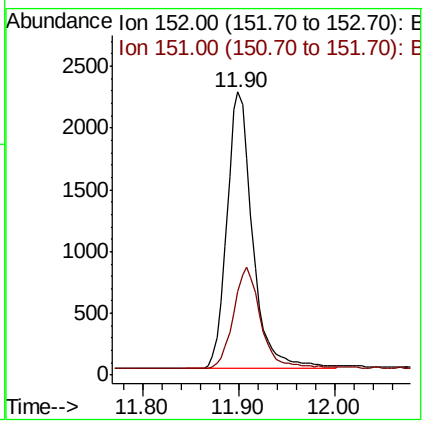


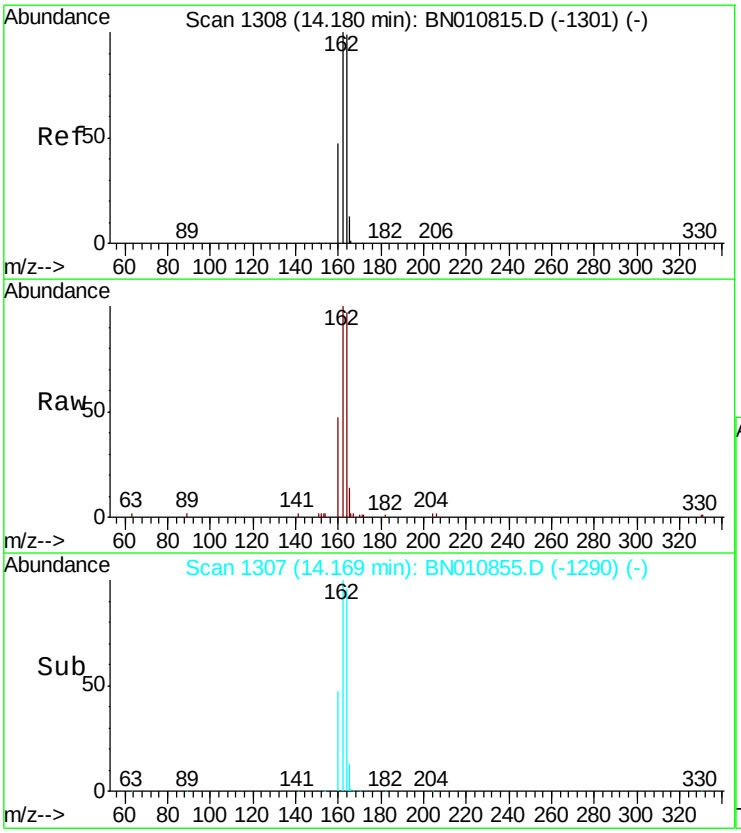
#11
2-Methylnaphthalene-d10
Concen: 0.306 ng
RT: 11.90 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:152 Resp: 4185

Ion	Ratio	Lower	Upper
152	100		
151	38.9	15.3	22.9#

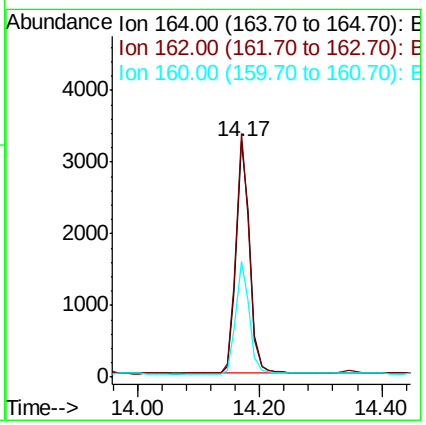


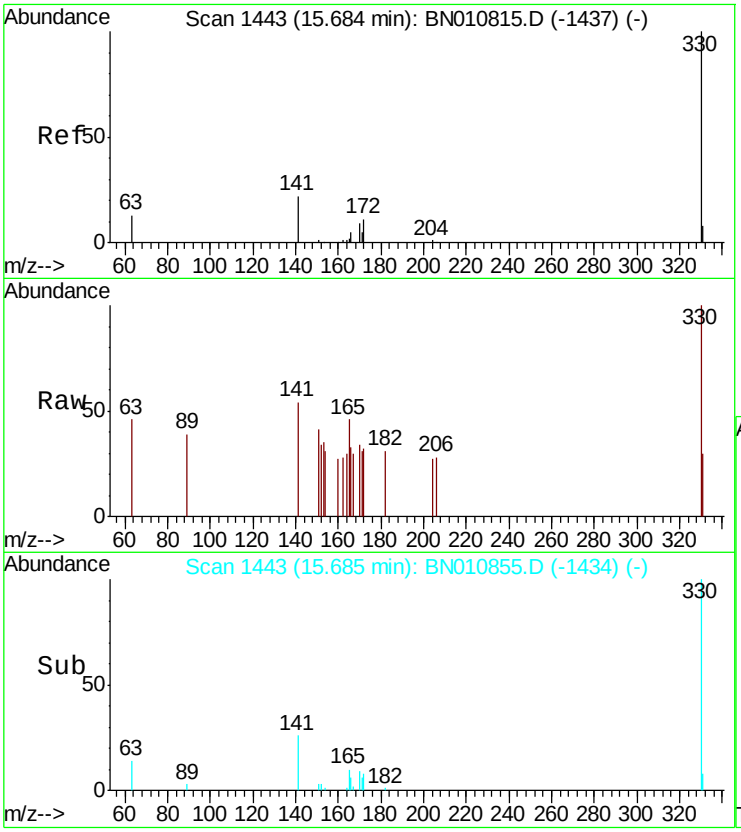


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.17 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:164 Resp: 5026

Ion	Ratio	Lower	Upper
164	100		
162	103.3	81.0	121.6
160	48.9	38.9	58.3



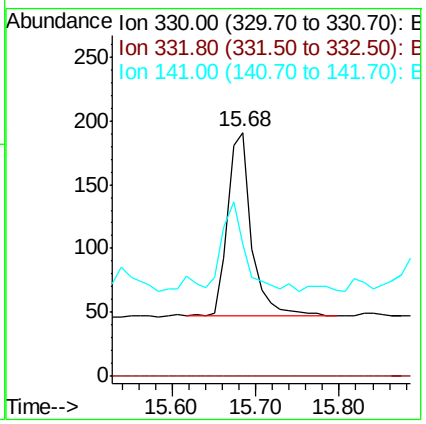


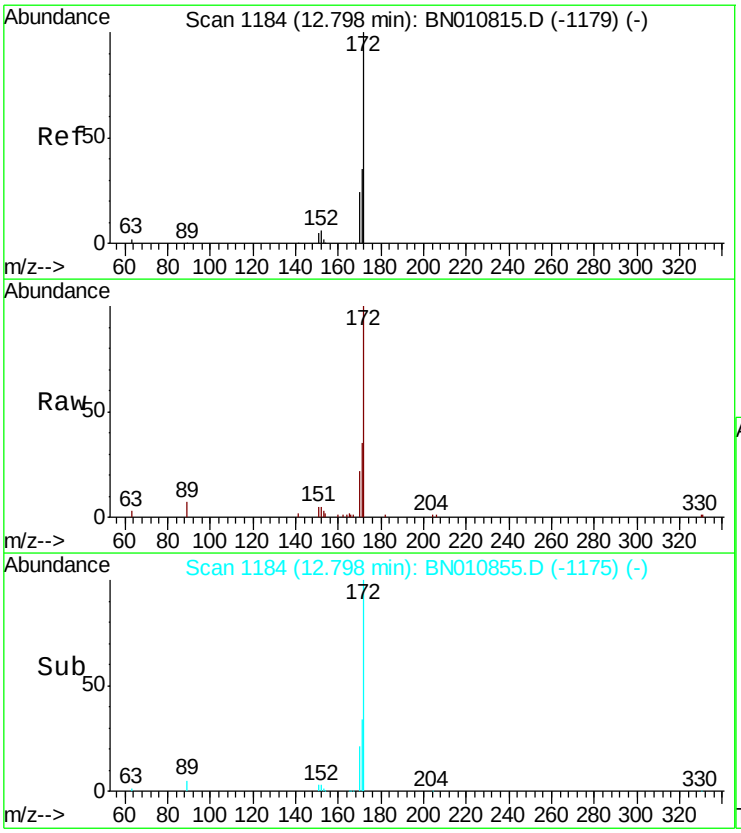
#14
2,4,6-Tribromophenol
Concen: 0.158 ng
RT: 15.68 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:330 Resp: 284

Ion	Ratio	Lower	Upper
330	100		
332	0.0	0.0	0.0
141	47.2	33.2	49.8

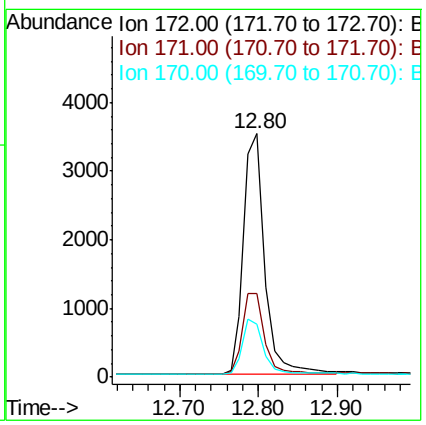


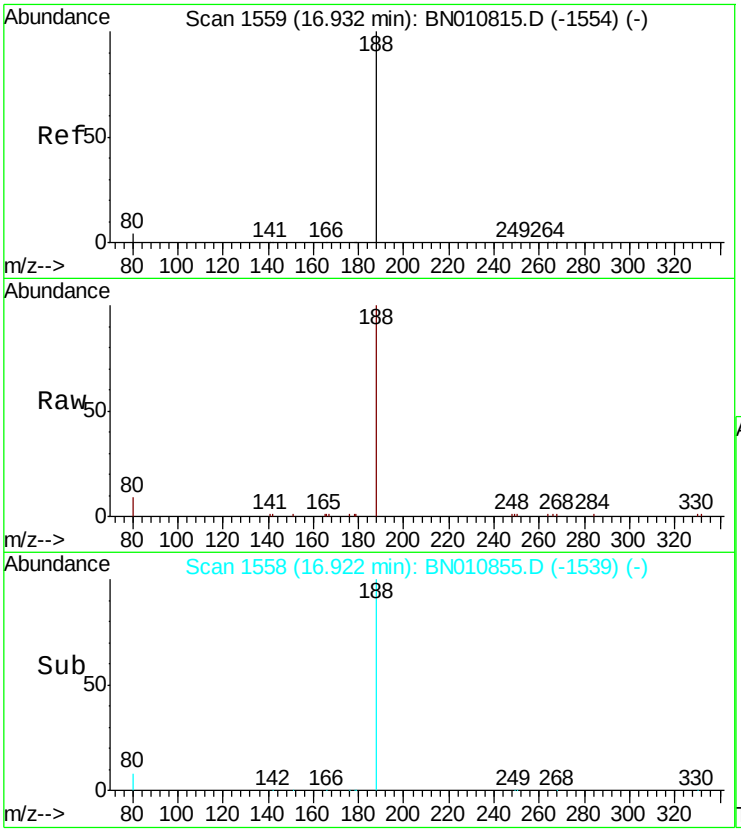


#15
2-Fluorobiphenyl
Concen: 0.330 ng
RT: 12.80 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:172 Resp: 6541

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.5	42.7
170	21.9	19.7	29.5



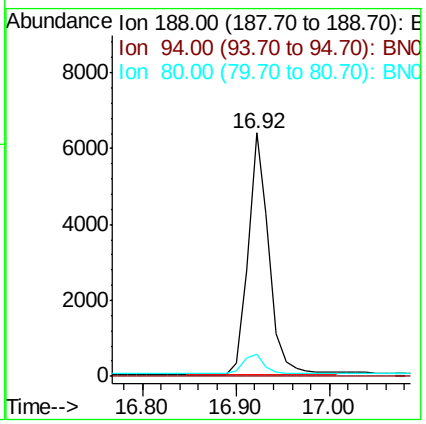


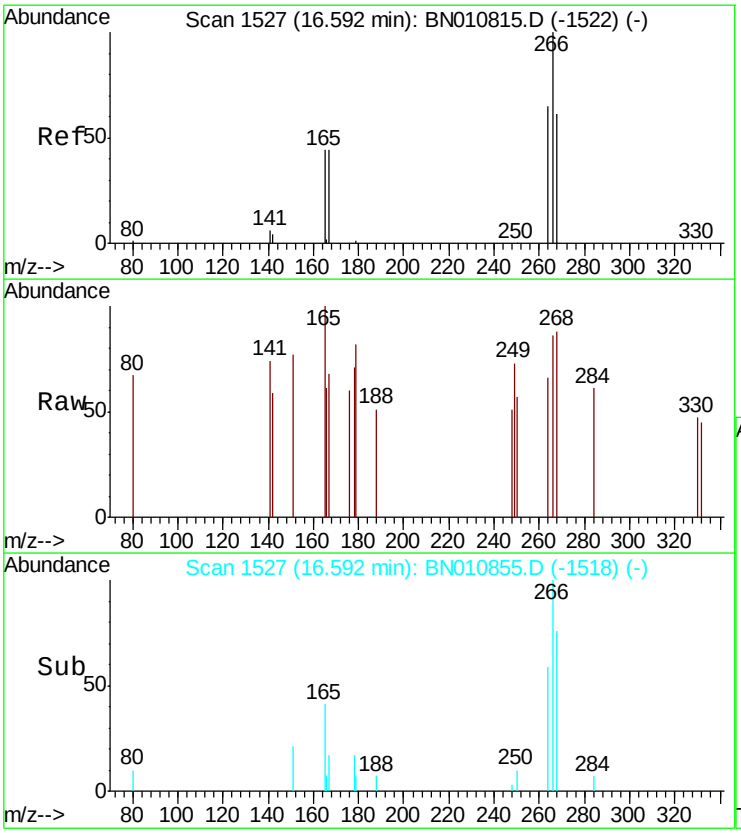
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.92 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:188 Resp: 9894

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.1	4.5	6.7#

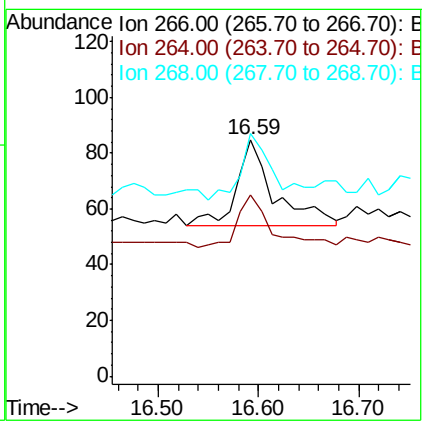


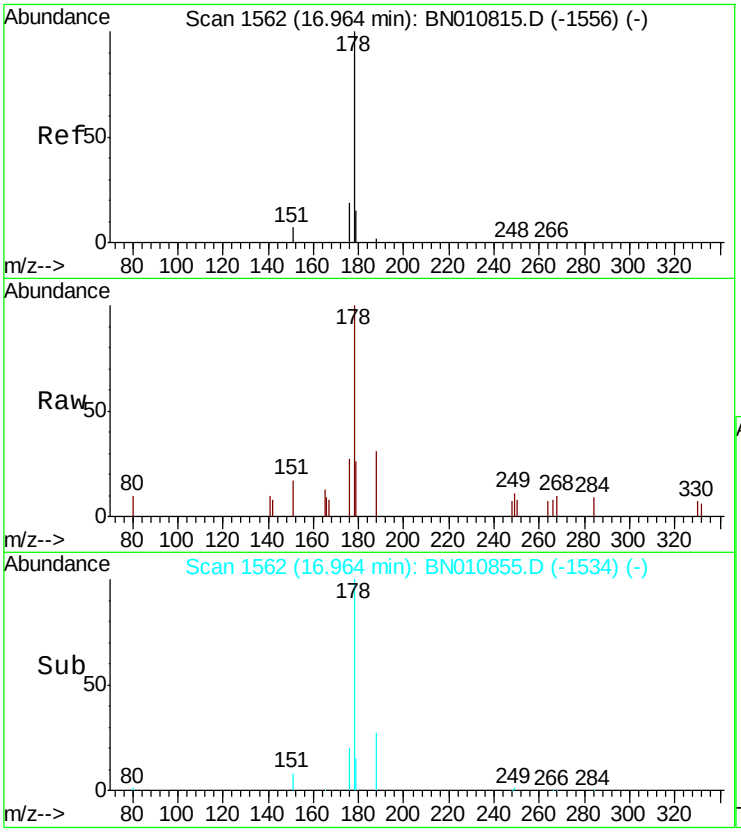


#22
Pentachlorophenol
Concen: 0.039 ng
RT: 16.59 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:266 Resp: 82

Ion	Ratio	Lower	Upper
266	100		
264	76.5	54.8	82.2
268	102.4	55.9	83.9#



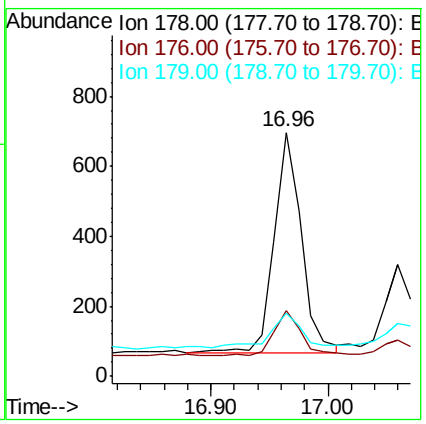


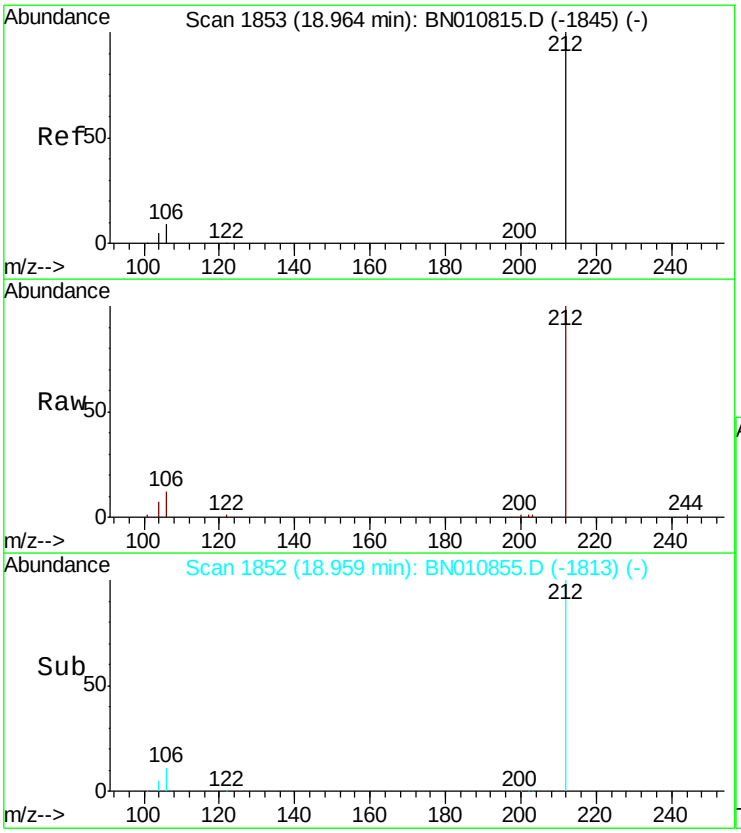
#23
Phenanthrene
Concen: 0.037 ng
RT: 16.96 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:178 Resp: 1011

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.3	22.9
179	18.9	12.6	19.0

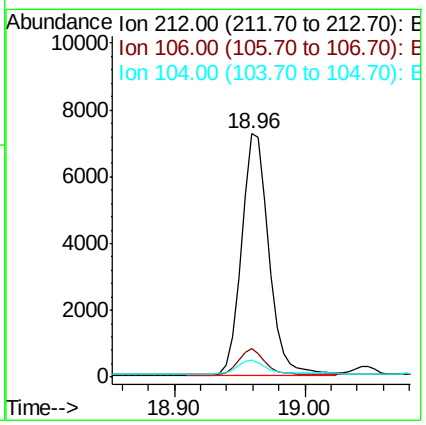


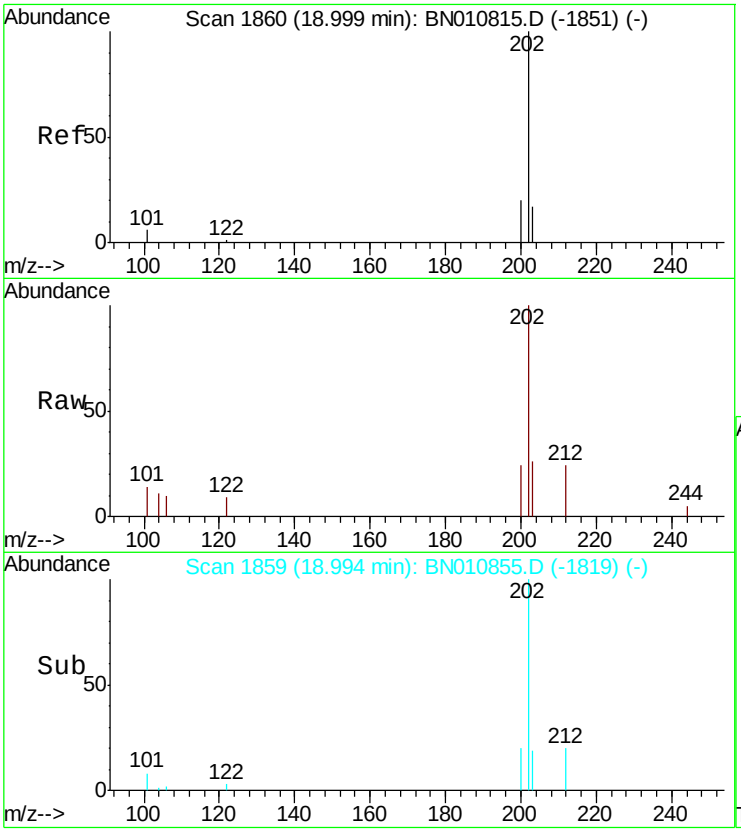


#25
Fluoranthene-d10
Concen: 0.390 ng
RT: 18.96 min Scan# 1852
Delta R.T. -0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:212 Resp: 10643

Ion	Ratio	Lower	Upper
212	100		
106	10.7	6.6	10.0#
104	5.8	4.0	6.0



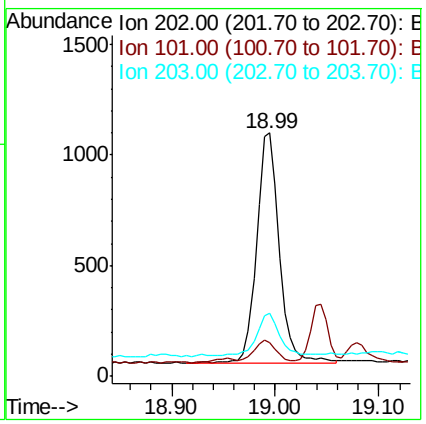


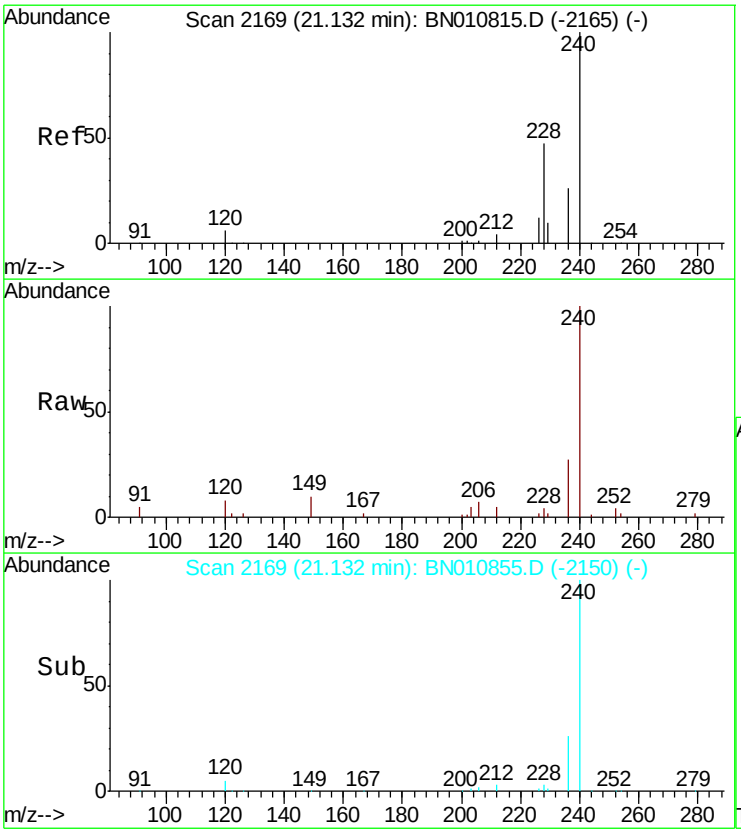
#26
Fluoranthene
Concen: 0.051 ng
RT: 18.99 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:202 Resp: 1564

Ion	Ratio	Lower	Upper
202	100		
101	9.7	5.8	8.6#
203	18.8	13.7	20.5

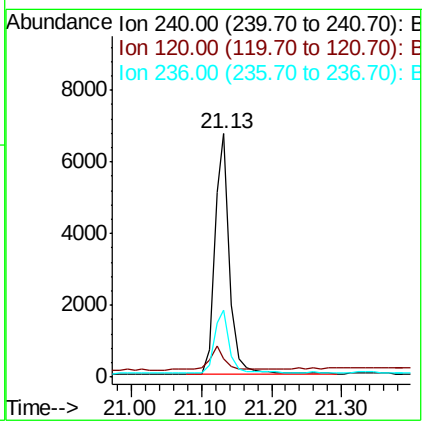


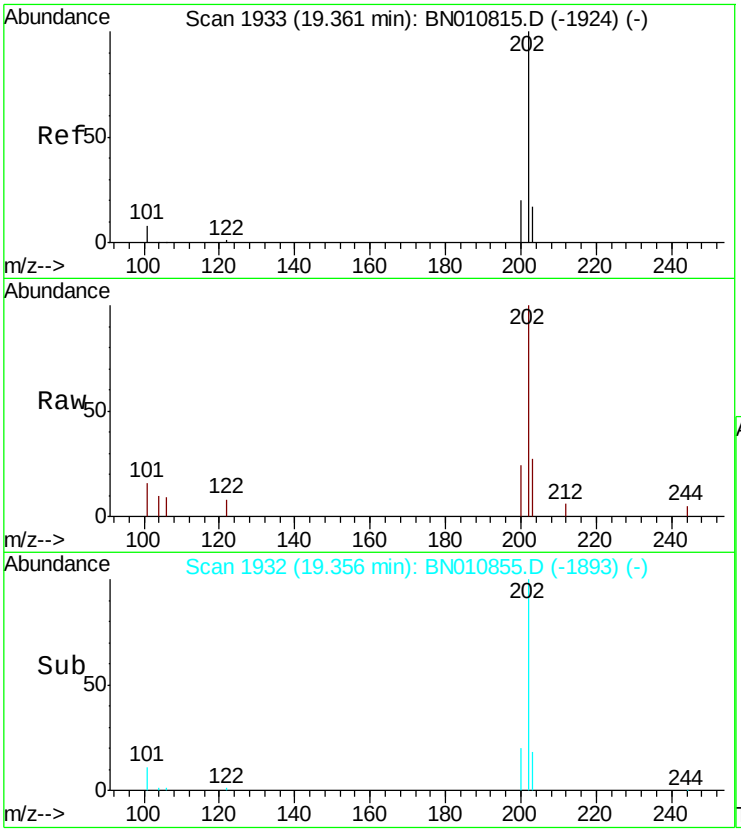


#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.13 min Scan# 2169
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:240 Resp: 10057

Ion	Ratio	Lower	Upper
240	100		
120	7.6	7.5	11.3
236	27.4	22.3	33.5



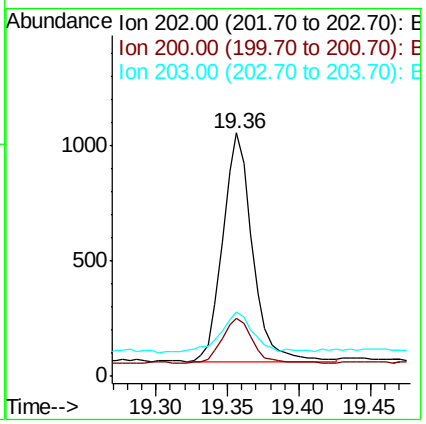


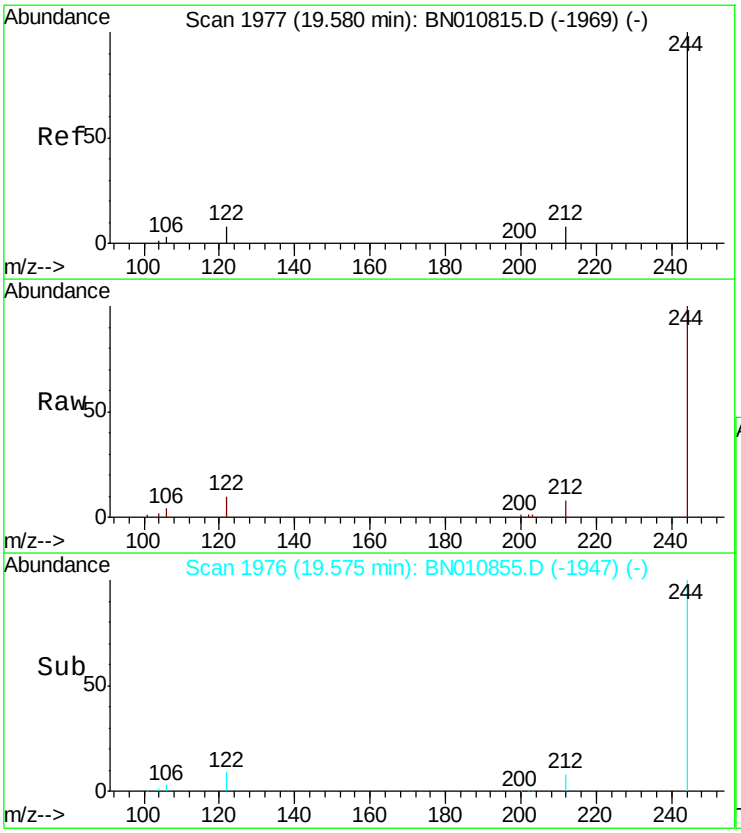
#28
Pyrene
Concen: 0.043 ng
RT: 19.36 min Scan# 1932
Delta R.T. -0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:202 Resp: 1426

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	18.7	14.2	21.4

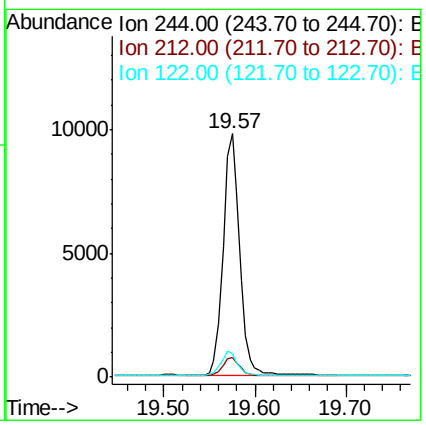


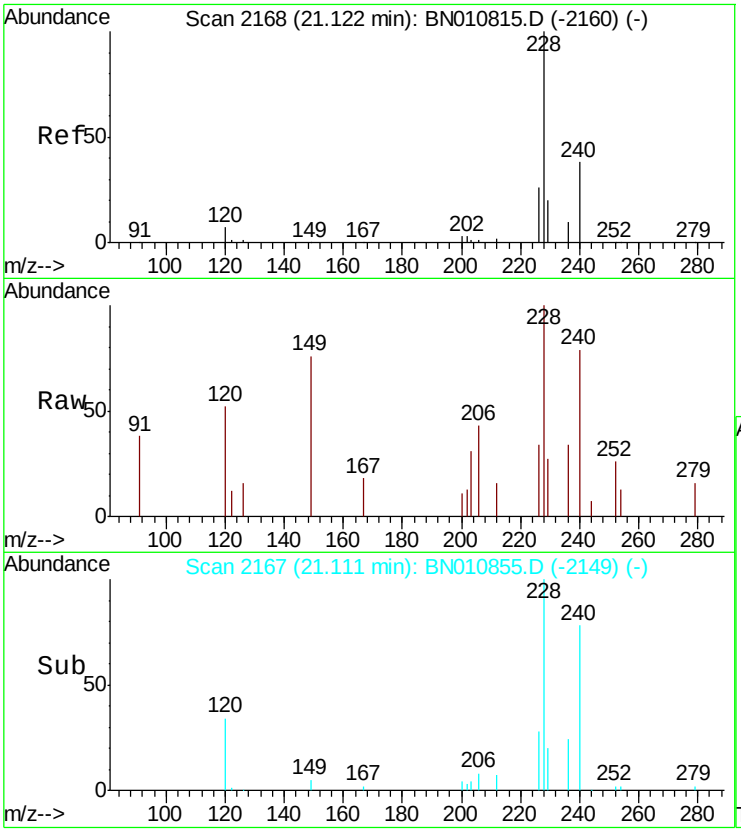


#29
Terphenyl-d14
Concen: 0.529 ng
RT: 19.57 min Scan# 1976
Delta R.T. -0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:244 Resp: 12450

Ion	Ratio	Lower	Upper
244	100		
212	8.3	7.4	11.2
122	9.5	7.5	11.3



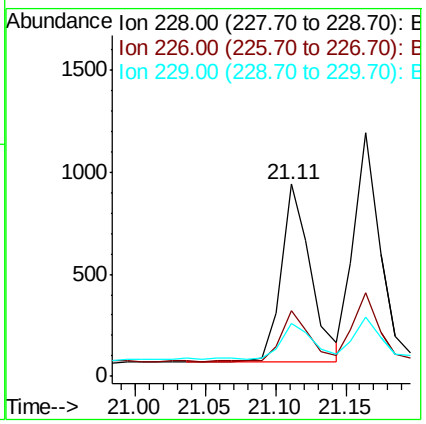


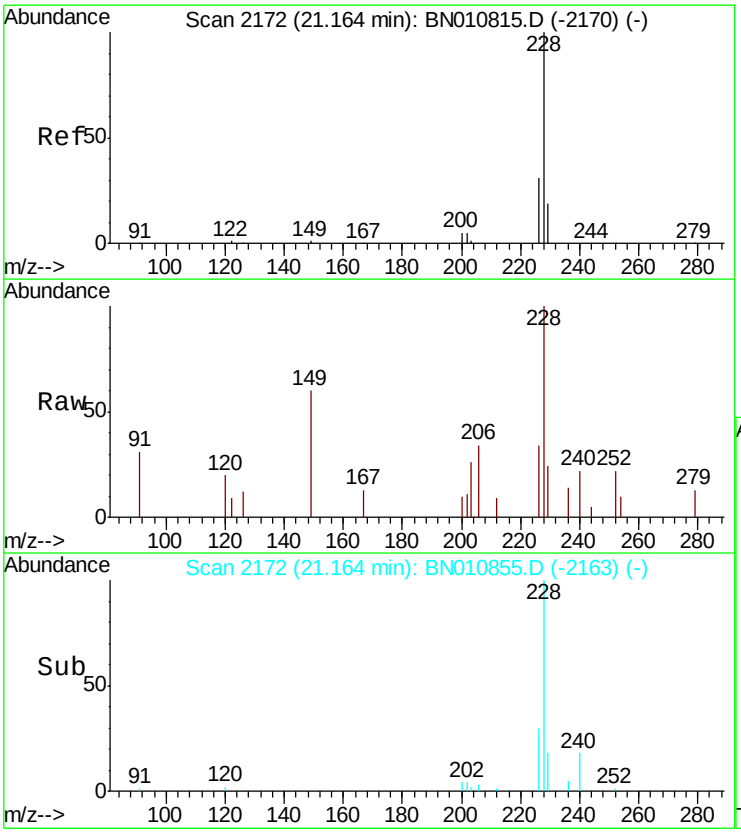
#30
Benzo(a)anthracene
Concen: 0.044 ng
RT: 21.11 min Scan# 2167
Delta R.T. -0.01 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:228 Resp: 1291

Ion	Ratio	Lower	Upper
228	100		
226	34.0	21.3	31.9#
229	27.2	16.6	24.8#

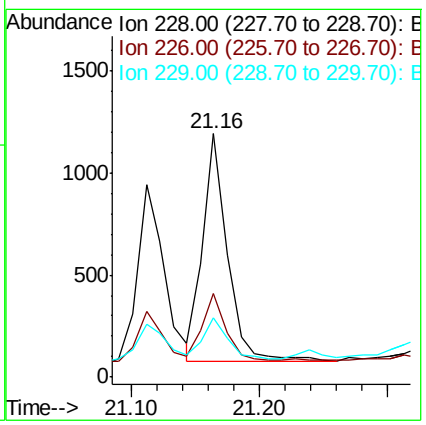


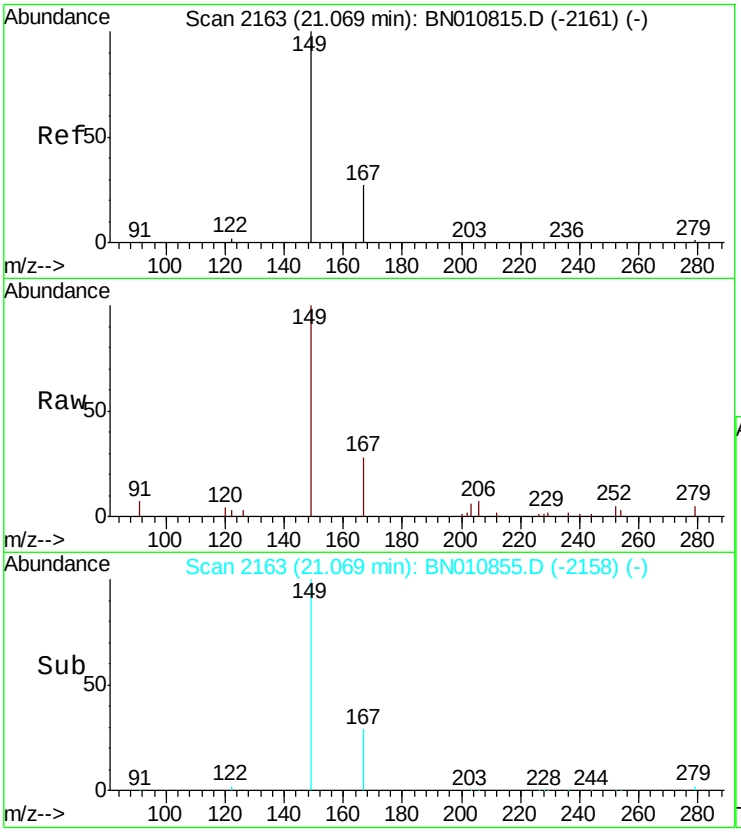


#31
Chrysene
Concen: 0.043 ng
RT: 21.16 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:228 Resp: 1484

Ion	Ratio	Lower	Upper
228	100		
226	34.4	25.0	37.6
229	24.5	16.1	24.1#



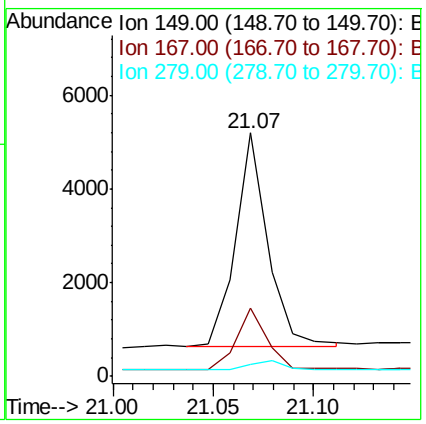


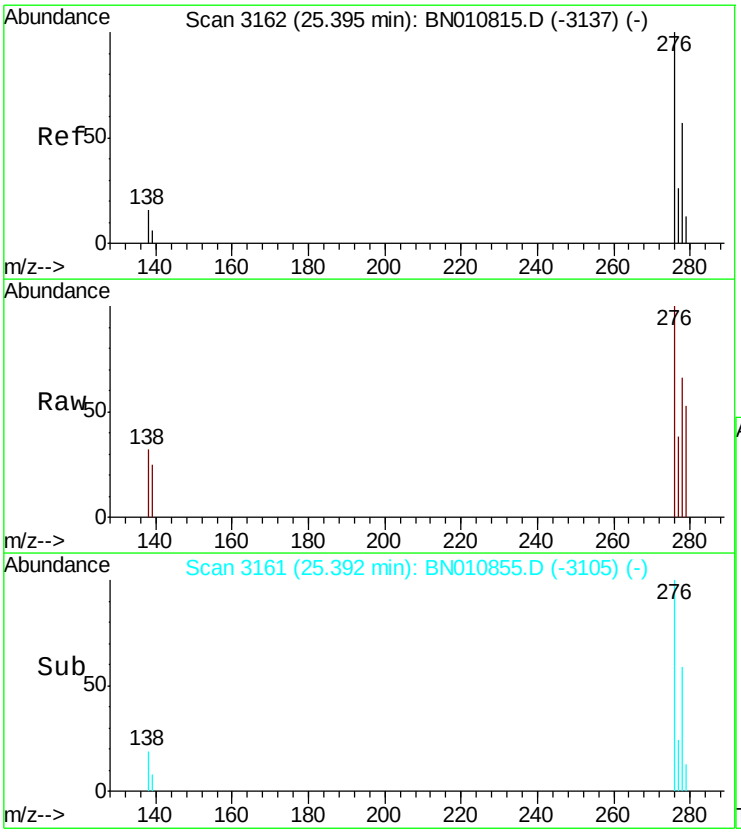
#32
Bis(2-ethylhexyl)phthalate
Concen: 0.517 ng
RT: 21.07 min Scan# 2163
Delta R.T. 0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:149 Resp: 5094

Ion	Ratio	Lower	Upper
149	100		
167	27.4	24.1	36.1
279	4.4	4.6	7.0#

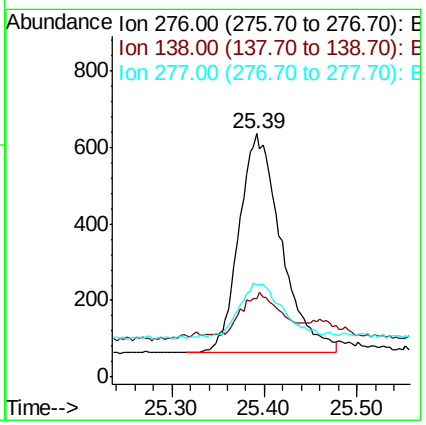


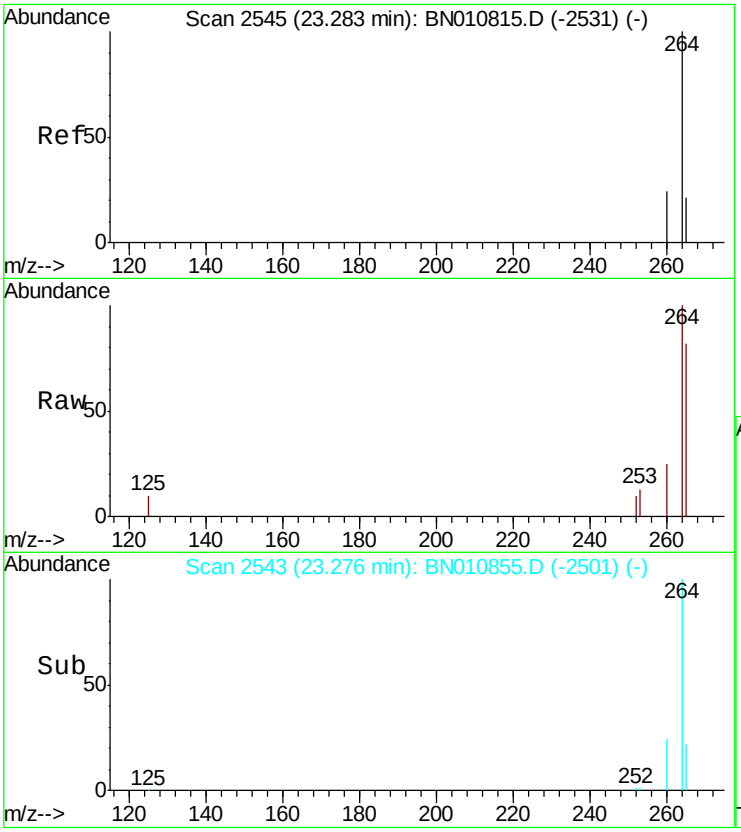


#33
Indeno(1,2,3-cd)pyrene
Concen: 0.047 ng
RT: 25.39 min Scan# 3161
Delta R.T. -0.01 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:276 Resp: 1803

Ion	Ratio	Lower	Upper
276	100		
138	16.4	13.0	19.6
277	24.5	19.7	29.5



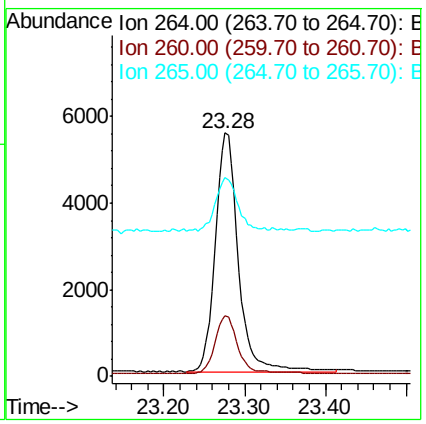


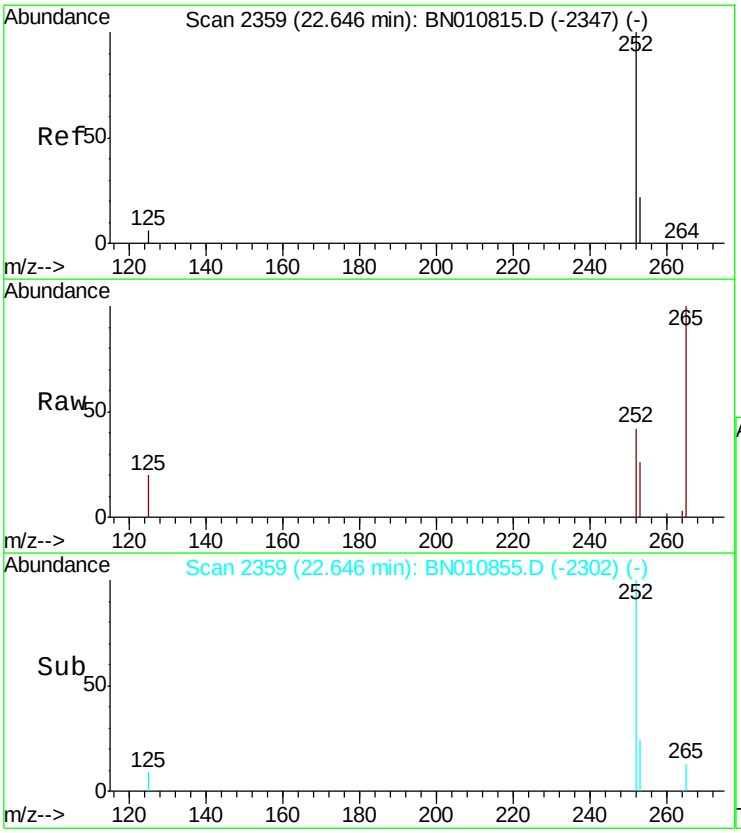
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.28 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:264 Resp: 10900

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.4	30.6
265	81.5	75.0	112.4

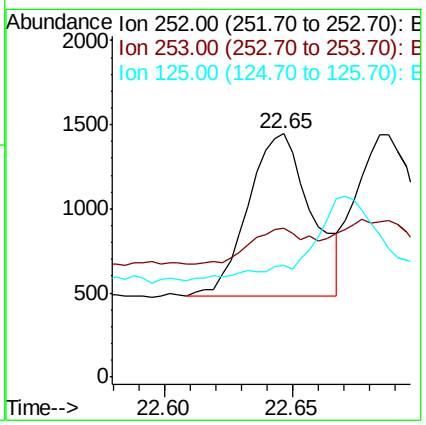


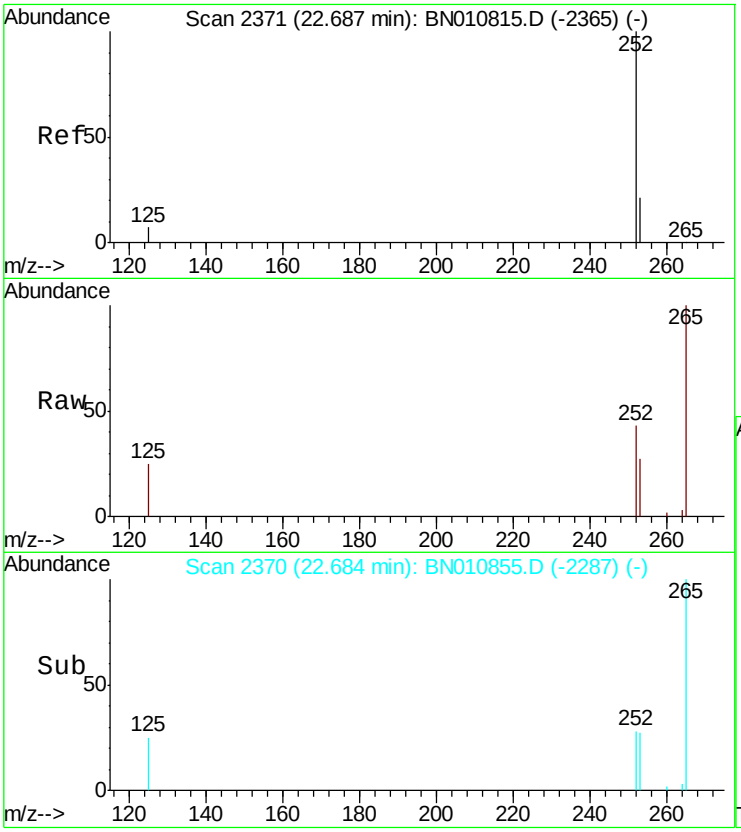


#35
Benzo(b)fluoranthene
Concen: 0.044 ng
RT: 22.65 min Scan# 2359
Delta R.T. -0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:252 Resp: 1643

Ion	Ratio	Lower	Upper
252	100		
253	61.2	22.4	33.6#
125	46.1	9.4	14.0#



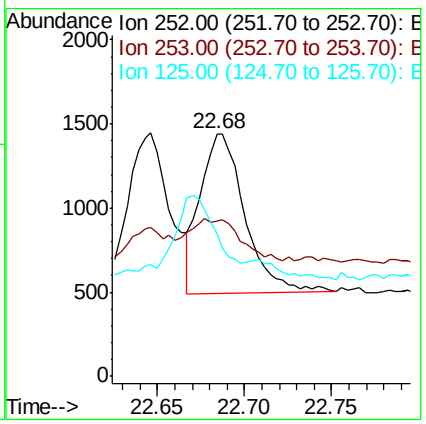


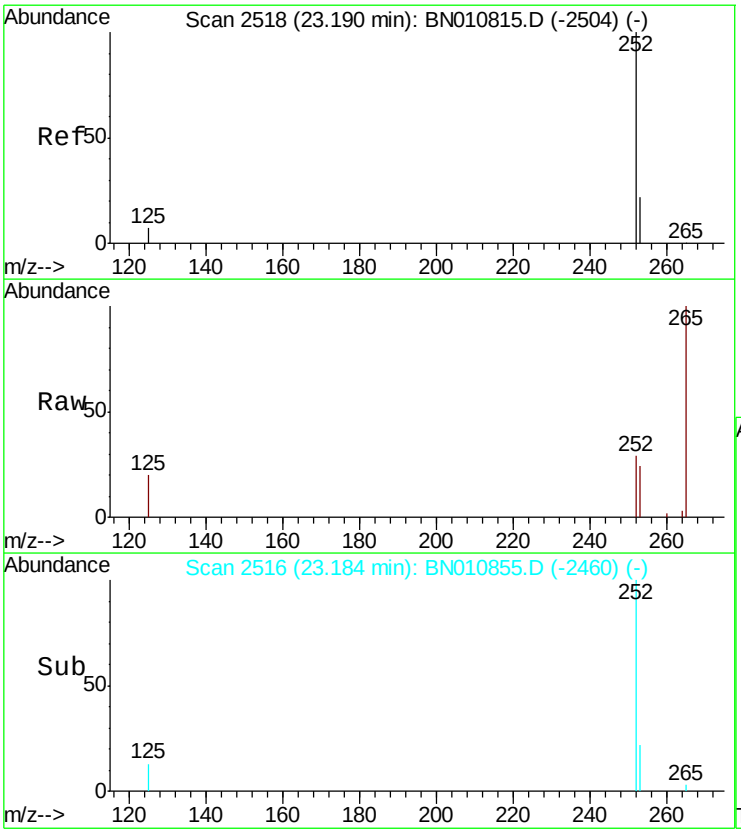
#36
Benzo(k)fluoranthene
Concen: 0.042 ng
RT: 22.68 min Scan# 2370
Delta R.T. -0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:252 Resp: 1668

Ion	Ratio	Lower	Upper
252	100		
253	63.8	22.2	33.4#
125	58.8	9.8	14.8#

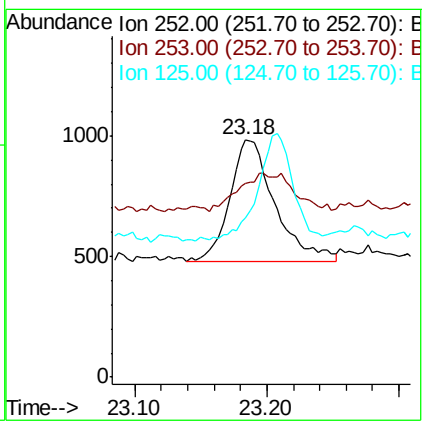


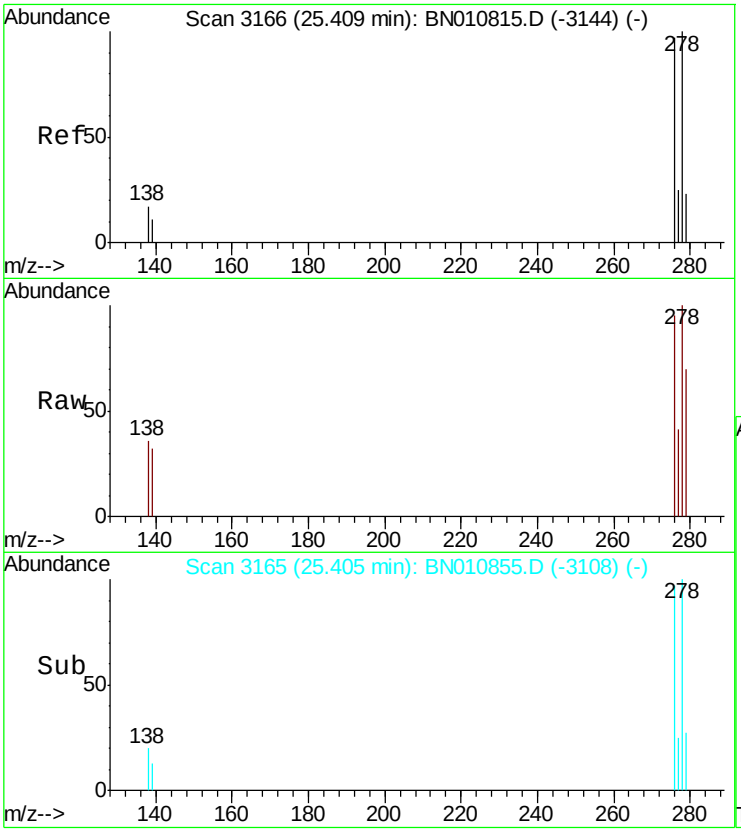


#37
Benzo(a)pyrene
Concen: 0.038 ng
RT: 23.18 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:252 Resp: 1194

Ion	Ratio	Lower	Upper
252	100		
253	81.5	25.8	38.8#
125	67.1	12.4	18.6#



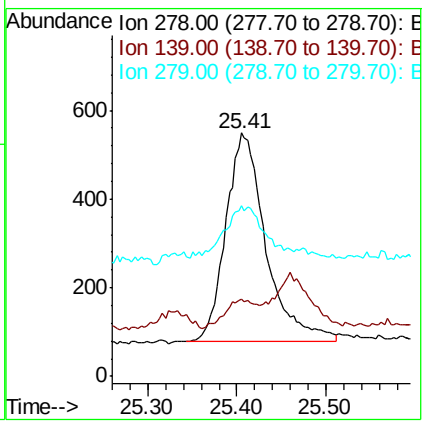


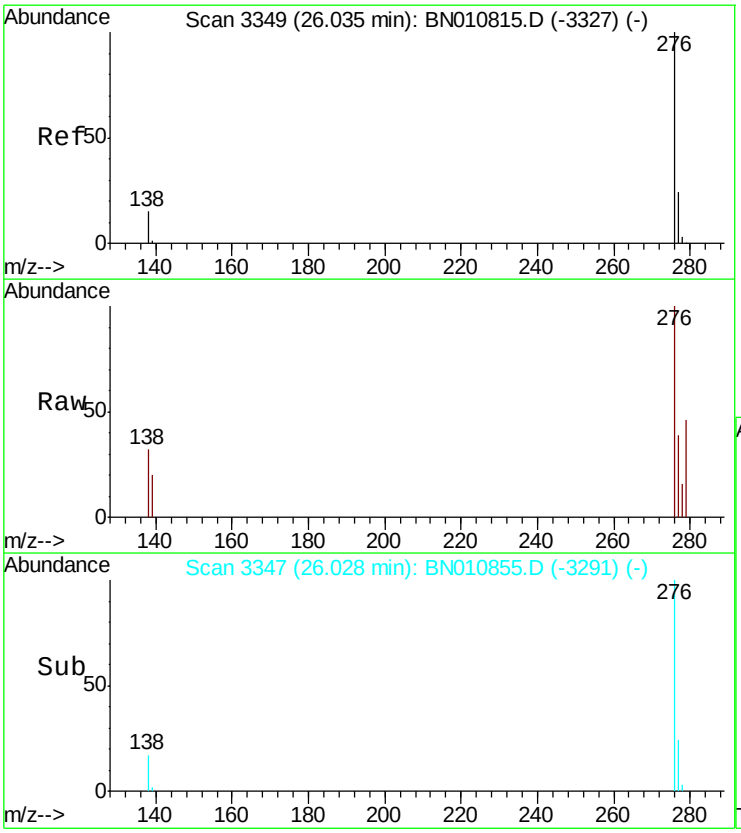
#38
Dibenzo(a,h)anthracene
Concen: 0.041 ng
RT: 25.41 min Scan# 3165
Delta R.T. -0.00 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Instrument :
BNA_N
ClientSampleId :
RE134D2-20200608

Tgt Ion:278 Resp: 1476

Ion	Ratio	Lower	Upper
278	100		
139	31.7	10.6	15.8#
279	69.9	23.6	35.4#





#39
Benzo(g,h,i)perylene
Concen: 0.044 ng
RT: 26.03 min Scan# 3347
Delta R.T. -0.01 min
Lab File: BN010855.D
Acq: 12 Jun 2020 23:06

Tgt Ion:276 Resp: 1663

Ion	Ratio	Lower	Upper
276	100		
277	39.4	20.5	30.7#
138	32.3	13.7	20.5#